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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/802,798	03/18/2004	Sang-cheol Park	46276	5070
1609	7590	12/14/2005	EXAMINER	
ROYLANCE, ABRAMS, BERDO & GOODMAN, L.L.P. 1300 19TH STREET, N.W. SUITE 600 WASHINGTON,, DC 20036			NGUYEN, ANTHONY H	
			ART UNIT	PAPER NUMBER
			2854	

DATE MAILED: 12/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

10/802,798

**Applicant(s)**

PARK ET AL.

**Examiner**

Anthony H. Nguyen

**Art Unit**

2854

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 06 April 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1, 3-9 and 11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1, 3-9 and 11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>8/25/05</u> | 6) <input type="checkbox"/> Other: _____  |

### Claim Rejections - 35 U.S.C. § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) a patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 3-6, 9 and 11 are rejected under 35 U.S.C. § 103 (a) as being unpatentable over Takashima et al. (US 5,913,095) in view of Makiura et al. (US 5,118,093).

With respect to claims 1, 5, 9 and 11, Takashima et al. teaches an image forming apparatus having a main machine 2 (Takashima et al., Figs.4), a flat bed 6, a flat bed cover 8, scanner 19 for scanning a document set on the flat bed, a printing unit 11 which is closely installed on a lower part of the scanner, a paper feeder 3 which supplies paper (P) to the printing unit and a discharged paper tray 9, 10 installed integrally at a predetermined angle as shown in Fig.5 of Takashima et al. Takashima et al. does not teach the discharged paper tray which is extended upward higher than the scanner to support a received paper. Makiura et al. teaches the discharged paper tray 114 which is extended higher than the scanner 34 for supporting the discharged sheet material as shown in Fig.1 of Makiura et al. In view of the teaching of Makiura et al., it would have been obvious to one of ordinary skill in the art to modify the image forming apparatus of Takashima et al. by providing the tray which can be extended upward to support the received paper for ease of taking away the printed paper from the discharged paper tray. With respect to claims 3 and 4, the tray 9, 10 has a predetermined sloping angle at about 45° to about 85° (Takashima et al., Fig.5, at 10a). With respect to claim 6, Figs.5 and 8 of Takashima et al.

show the delivery path between the paper feeder 3 and the fuser 15 which is substantially formed a U-shape.

Claims 7 and 8 are rejected under 35 U.S.C. § 103 (a) as being unpatentable over Takashima et al. in view of Makiura et al. as applied to claims 1, 3-6, 9 and 11 above, and further in view of Miyamoto (US 3,912,389).

Takashima et al. and Makiura et al. teach all that is claimed, except the discharged paper tray installed on a backside wall. Miyamoto teach the discharged paper tray 1 installed on a backside wall as shown in Figs.3 and 6. In view of the teaching of Miyamoto, it would have been obvious to one of ordinary skill in the art to modify the machine Takashima et al. and Makiura et al. by providing the discharged tray as taught by Miyamoto for convenience of removing a jammed paper from the machine.

### *Response to Arguments*

Applicants' arguments filed on April 6, 2005 have been fully considered but they are not persuasive of any error in view of the new ground(s) of rejection(s).

### *Conclusion*

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action.

Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

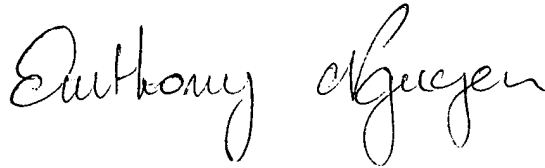
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extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony Nguyen whose telephone number is (571) 272-2169.

The examiner can normally be reached daily from 9 AM to 5PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Hirshfeld, can be reached on (571) 272-2168.

The fax phone number for this Group is (571) 273-8300.

A handwritten signature in cursive script that reads "Anthony Nguyen".

Anthony Nguyen  
12/2/05  
Patent Examiner  
Technology Center 2800